

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

09/909, 238E

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4:2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
 U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



OIPE

RAW SEQUENCE LISTING DATE: 05/20/2004 PATENT APPLICATION: US/09/909,238E TIME: 16:24:25 Input Set : A:\PTO.FG.TXT Output Set: N:\CRF4\05202004\I909238E.raw 3 <110> APPLICANT: ARTEMIS PHARMACEUTICALS GmbH 5 <120> TITLE OF INVENTION: Recombinant Influenza Viruses with Bicistronic vRNAs Coding in Tandem Arrangement 8 <130> FILE REFERENCE: Kreisler 1092-KGB C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/909,238E C--> 11 <141> CURRENT FILING DATE: 2001-07-19 13 <160> NUMBER OF SEQ ID NOS: 24 **Does Not Comply** 15 <170> SOFTWARE: PatentIn Ver. 2.1 Corrected Diskette Needed ERRORED SEQUENCES, " locations. please see error explanation on pg. 3 2 7 < 211 > LENGTH: 12 28 <212> TYPE: RNA 29 <213> ORGANISM: Influenza B virus 1 <400> SEQUENCE: 2 32 nnygcuucug cu 12 118 <210> SEQ ID NO: 10 119 <211> LENGTH: 21 120 <212> TYPE: RNA 121 <213 > ORGANISM: Influenza A virus
123 <400 > SEQUENCE: 10 PIS EXPLAIN "N" | OCATIONS.
124 agragaage aggregation " E--> 124 aguagaaaca aggannuuuu u 21 140 <210> SEO ID NO: 12 141 <211> LENGTH: 21 142 <212> TYPE: RNA 143 <213> ORGANISM: Influenza B virus AME ERROR 145 <400> SEQUENCE: 12 E--> 146 aguagwaaca mnnnnuuuu u

lease see page 4 for additional errors)

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errore.

for Two Genes 6

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004 TIME: 16:24:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\05202004\1909238E.raw .

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004 TIME: 16:24:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\05202004\1909238E.raw

Use of n's or Xaa's (NEW RULES): Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. in $\langle 220 \rangle$ to $\langle 223 \rangle$ section, please explain location of n or Xaa, and which

residue n or Xaa represents.

Seq#:2; N Pos. 1,2

Seq#:7; N Pos. 12,13

Seq#:10; N Pos. 14,15,16

Seq#:11; N Pos. 14,15,16

Seq#:12; N Pos. 12,13,14,15,16

Seq#:14; N Pos. 1,2,3

Seq#:15; N Pos. 1,2,3

Seq#:16; N Pos. 1,2,3,4,5

<210> 20 <211> 3888 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: pHL1920

<400> 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004 TIME: 16:24:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\05202004\1909238E.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:32 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2 L:91 M:341 \overline{W} : (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 L:124 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10 $^{\nu}$ L:137 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:11 & L:137 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:11 L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0 L:146 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12 L:171 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:14 L:171 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:14 L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0 L:183 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:15 L:183 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:15 L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0 L:195 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:16 L:195 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:16 L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0